

Amendments to the Claims

This listing of claims will replace all prior listings of claims in the application.

Listing of Claims

1. Canceled.

2. (Currently Amended) The polarized light color filter according to ~~claim 1~~claim 23, wherein ~~the~~a first wide-band polarization spectroscopic element, ~~designed for being capable of~~ reflecting the S-polarized light component of the incident light over the whole range of ~~the visible lights~~light while transmitting the P-polarized light component, is provided on ~~the~~an incident light side of the first polarized light converting element.

3. (Currently Amended) The polarized light color filter according to ~~claim 1~~claim 23, wherein ~~the~~a first wide-band polarization spectroscopic element, ~~designed for being capable of~~ reflecting the S-polarized component of the incident light over the whole range of ~~the visible lights~~light while transmitting the P-polarized light component, is provided on ~~the~~an incident light side of the first polarized light converting element, ~~the~~and a fourth polarized light converting element, ~~designed for being capable of~~ for selectively ~~outputting the~~emitting polarized incident light, ~~which has been converted to the P-polarized light or the S-polarized light, after converting to the other polarized light or as it is by controlling the~~ thereon after either changing the polarity of the polarized incident light or leaving the polarity of the incident light unchanged according to a voltage applied thereto to the fourth polarized light converting element, is provided on ~~the~~an emission side of the third polarization spectroscopic element.

4. (Currently Amended) The polarized light color filter according to ~~claim 1~~claim 23, comprising ~~thea~~ a first wide-band polarization spectroscopic element, ~~designed for reflecting the S-polarized light component of the incident light over the whole range of the visible lights~~light while transmitting the P-polarized light component, is provided on thean incident light side of the first polarized light converting element, ~~the~~ and a fourth polarized light converting element, ~~designed for selectively emitting thepolarized incident light, which has been polarized to the P-polarized light or the S-polarized light, after converting to the other polarized light or as it is by controlling the thereon after either changing the polarity of the polarized incident light or leaving the polarity of the voltage applied ~~thereto,~~to the fourth polarized light converting element and thea second wide-band polarization spectroscopic element ~~capable of~~for reflecting the S-polarized light component of the incident light while transmitting the P-polarized light component over the whole range of ~~the visible lights~~light, are provided on ~~thean~~ emission side of the third polarized light converting element.~~

5. (Currently Amended) The polarized light color filter according to ~~claim 1~~formed by accumulatingclaim 23, wherein the first, second and third polarized light converting elements and the first, second and third narrow-band polarization spectroscopic elements are formed on ~~thea~~ transparent substrate.

6. (Currently Amended) The polarized light color filter according to ~~claim 1~~claim 23, wherein the first, second and third polarized light converting elements and the first, second and third narrow-band polarization spectroscopic elements ~~are accumulated and interposed between the inclines~~ inclined surfaces of the two pieces of rectangular triangular

~~prisms, prisms~~ which ~~forms~~form a rectangular parallelepiped when joined by their respective ~~inelines~~inclined surfaces.

7. (Currently Amended) The polarized light color filter according to ~~claim 1, comprising~~claim 23, wherein the first, second and third polarized light converting elements and the first, second and third narrow-band polarization spectroscopic elements ~~which are accumulated on the incline of the rectangular~~are provided on an inclined surface of a triangular prism.

8. (Currently Amended) The polarized light color filter according to claim 2~~-formed by accumulating, wherein~~ the first, second and third polarized light converting elements, the first, second and third narrow-band polarization spectroscopic elements and the first wide-band polarization spectroscopic element ~~on the~~are formed on a transparent substrate.

9. (Currently Amended) The polarized light color filter according to claim 2, wherein the first, second and third polarized light converting elements, the first, second and third narrow-band polarization spectroscopic elements and the first wide-band polarization spectroscopic element are ~~accumulated and interposed between the inelines~~inclined surfaces of the two pieces of the rectangular prisms, which formtriangular prisms which form a rectangular parallelepiped when ~~joint~~joined by their ~~inelines~~inclined surfaces.

10. (Currently Amended) The polarized light color filter according to claim 2~~-formed by accumulating, wherein~~ the first, second and third polarized light converting elements, the first, second and third narrow-band polarization spectroscopic elements and the first wide-band polarization spectroscopic element are provided on the incline of the rectangularan inclined surface of a triangular prism.

11. (Currently Amended) The polarized light color filter according to claim 3 ~~formed by accumulating, wherein~~ the first, second, third and fourth polarized light converting elements, the first, second and third narrow-band polarization spectroscopic elements, and the first wide-band polarization spectroscopic element are formed on the transparent substrate.

12. (Currently Amended) The polarized light color filter according to claim 3 ~~formed by accumulating, wherein~~ the first, second, third and fourth polarized light converting elements, the first, second and third narrow-band polarization spectroscopic elements, and the first wide-band polarization spectroscopic elements ~~between the inclines of the two pieces of the rectangular prisms, which forms~~ are provided between inclined surfaces of two triangular prisms which form a rectangular parallelepiped when joined by their ~~inclines~~ inclined surfaces.

13. (Currently Amended) The polarized light color filter according to claim 3 ~~formed by accumulating, wherein~~ the first, second, third and fourth polarized light converting elements, the first, second and third narrow-band polarization spectroscopic elements, and the first wide-band polarization spectroscopic element ~~on the incline of the rectangular~~ are provided on an inclined surface of a triangular prism.

14. (Currently Amended) The polarized light color filter according to claim 4 ~~formed by accumulating, wherein~~ the first, second, third and fourth polarized light converting elements, the first, second and third narrow-band spectroscopic elements, and the first and second wide-band polarization spectroscopic elements are formed on the transparent substrate.

15. (Currently Amended) The polarized light color filter according to claim 4 ~~formed by accumulating~~, wherein the first, second, third and fourth polarized light converting elements, the first, second and third narrow-band polarization spectroscopic elements, and the first and second wide-band polarization spectroscopic elements ~~and are~~ interposed between the inclines of two pieces of the rectangular prisms, inclined surfaces of two triangular prisms which form a rectangular parallelepiped when joined by their ~~inclines~~ inclined surfaces.

16. (Currently Amended) The polarized light color filter according to claim 4 ~~formed by accumulating~~, wherein the first, second, third and fourth polarized light converting elements, the first, second and third narrow-band polarization spectroscopic elements, and the first and second wide-band polarization spectroscopic elements ~~on the incline of the rectangular~~ are formed on an inclined surface of a triangular prism.

17. (Currently Amended) A video projector, comprising the polarized color filter according to claim 5, wherein ~~the~~ a reflection optical modulating element is provided on ~~the~~ an emission side of said polarized light color filter; ~~the~~ a projection lens is provided on ~~the~~ a non-emission side of said polarized light color filter; the three primary lights ~~to be~~ are emitted to said reflection optical modulating element from said polarized light color filter ~~are~~ and controlled on the time-division basis by controlling the voltages applied to the first, second and third polarized light converting elements.

18. (Currently Amended) ~~The~~ A video projector, comprising the polarized light color filter according to claim 5, wherein ~~the~~ a sequential transmission optical modulating element and ~~the~~ a projection lens are provided on ~~the~~ an emission side of said polarized light color filter, and

the voltages applied to the first, second and third polarized light converting elements are controlled so that the three primary lights ~~to be~~are emitted to said sequential transmission optical modulating element from said polarized light color filter ~~can be~~and controlled on the time-division basis.

19. (Currently Amended) ~~The~~A video projector, comprising the polarized light color filter according to claim 14, wherein ~~the~~a reflection optical modulating element is provided on ~~the~~an emission side of said polarized light color filter ~~while providing the,~~ a projection lens is provided on the ~~a~~ non-emission side, and the voltages applied to the first, second, third and fourth polarized light converting elements are controlled so that the three primary lights ~~to be~~are emitted to said reflection optical modulating element from said polarized light color filter ~~can be~~and controlled on the time-division basis.

20. (Currently Amended) ~~The~~A video projector, comprising the polarized light color filter according to claim 14, wherein ~~the~~a sequential transmission optical modulating element and ~~the~~a projection lens are provided on ~~the~~an emission side of said polarized light color ~~filter,~~filter and the voltages applied to the first, second, third and fourth polarized light converting elements are controlled so that the three primary lights ~~to be~~are emitted to said transmission optical modulating element ~~can be~~and controlled on the time-division basis.

21. (Currently Amended) The video projector according to claim 19, wherein ~~the reflection optical modulating element is provided on one of the emission sides of the polarized light color filter, and the~~ a 1/4 wave plate and ~~the~~a total reflection mirror are sequentially provided on ~~the other~~

~~transmission~~another emission side of the polarized light color filter.

22. (Currently Amended) The video projector according to claim 19, wherein ~~the reflection optical modulating element is provided on one of the emission sides of the polarized light color filter, and the~~a second reflection optical modulating element, having an identical structure with that of said reflection optical modulating element, is provided on ~~the~~another emission side of said polarized light color filter.

23. (New) A polarized light color filter having an incident light side and an emitted light side and comprising, in order and at an angle to the incident light optical path, a first polarized light converting element provided adjacent the incident light side for selectively emitting polarized incident light thereon after either changing the polarity of the polarized incident light or leaving the polarity of the incident light unchanged according to a voltage applied to the first polarized light converting element, a first polarization spectroscopic element comprising a first narrow band polarization spectroscopic element for reflecting only the S-polarized light component out of a first primary light corresponding to a first primary color, a second polarized light converting element for selectively emitting polarized incident light thereon after either changing the polarity of the polarized incident light or leaving the polarity of the incident light unchanged according to a voltage applied to the second polarized light converting element, a second polarization spectroscopic element comprising a second narrow band polarization spectroscopic element for reflecting only the S-polarized light component out of a second primary light corresponding to a second primary color, a third polarized light converting element for selectively emitting polarized incident light thereon after either changing the polarity of

the polarized incident light or leaving the polarity of the incident light unchanged according to a voltage applied to the third polarized light converting element, a third polarization spectroscopic element comprising a third narrow band polarization spectroscopic element for reflecting only the S-polarized light component out of a third primary light corresponding to a third primary color and control means for applying a voltage on a time-divisional basis to the first, second and third polarized light converting elements.